

## EAST Search History

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S1    | 1    | 10/789808   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:05 |
| S2    | 0    | smith.in. AND abel.in. AND morris.in. AND maffel.in. AND johnson.in.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:05 |
| S3    | 1    | smith.in. AND abel.in. AND morris.in. AND maffei.in. AND johnson.in.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:06 |
| S4    | 245  | ("service intermediary" OR "service intermediaries")                  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:45 |
| S5    | 150  | ("service providers" AND S4)  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 13:40 |
| S6    | 14   | S5 AND dispute  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 18:26 |
| S7    | 864  | (dispute NEAR (resolving OR resolution)) AND service                  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:22 |
| S8    | 303  | (dispute NEAR (resolving OR resolution)) SAME service                 | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:23 |
| S9    | 51   | (dispute NEAR (resolving OR resolution)) SAME (service NEAR provider) | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:23 |
| S10   | 170  | ("service intermediary" OR "service intermediaries") AND code         | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:45 |
| S11   | 11   | S10 AND dispute   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 10:45 |
| S12   | 526  | ("service providers" AND authentication NEAR token)                   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 13:41 |
| S13   | 114  | ("service providers" SAME authentication NEAR token)                  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 13:41 |
| S14   | 1    | S13 AND dispute NEAR (resolving OR resolution)                        | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/05/30 13:41 |

## EAST Search History

|     |     |   |                              |    |     |                  |
|-----|-----|---|------------------------------|----|-----|------------------|
| S15 | 20  | ("4918728"   "5200999"   "5206905"   "5224162"   "5276738"   "5371796"   "5452358"   "5511121"   "5557518"   "5577121"   "5600720"   "5677955"   "5682474"   "5696827"   "5869826"   "5870473"   "5878138"   "5889862"   "5889863"   "5892211").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/05/30 15:12 |
| S16 | 8   | ("6236981").URPN.   | USPAT                        | OR | OFF | 2007/05/30 15:14 |
| S17 | 37  | micropayment AND Millicent  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:29 |
| S18 | 10  | micropayment AND Millicent and dispute  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:36 |
| S19 | 67  | micropayment AND dispute AND random   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:36 |
| S20 | 10  | micropayment AND dispute AND random NEAR number   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:48 |
| S21 | 85  | micropayment AND dispute  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:48 |
| S22 | 38  | micropayment AND dispute AND hash   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:49 |
| S23 | 5   | micropayment AND dispute AND hash WITH random   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 19:26 |
| S24 | 10  | micropayment AND dispute AND random NEAR number   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:56 |
| S25 | 1   | micropayment AND "start code"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 18:56 |
| S26 | 7   | micropayment AND compare NEAR (hash OR hashed) AND "service provider"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 19:27 |
| S27 | 183 | dispute AND "random number" AND "service provider"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 19:28 |
| S28 | 110 | dispute AND "random number" AND "service provider" AND hash   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/30 19:30 |
| S29 | 5   | dispute AND "random number" AND "service provider" AND compare NEAR (hash OR hashed)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/17 17:40 |

## EAST Search History

|     |     |   |                              |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S30 | 102 | "random number" AND "service provider" AND compare NEAR (hash OR hashed)                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:33 |
| S31 | 3   | "random number" AND "service provider" AND compare NEAR (hash OR hashed) AND micropayment             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:33 |
| S32 | 51  | "random number" AND "service provider" AND compare NEAR (hash OR hashed) AND token                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:36 |
| S33 | 82  | request NEAR service AND "end code"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:37 |
| S34 | 19  | request NEAR service AND "end code" AND "service provider"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:39 |
| S35 | 0   | user NEAR generate NEAR random WITH authentication NEAR token   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:40 |
| S36 | 0   | user NEAR generate NEAR random SAME authentication NEAR token   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:40 |
| S37 | 0   | user NEAR generate NEAR random AND authentication NEAR token  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:40 |
| S38 | 2   | user NEAR generate SAME random AND authentication NEAR token  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:44 |
| S39 | 382 | (user OR client) WITH generate WITH random AND "service provider"                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:52 |
| S40 | 4   | (user OR client) WITH generate WITH random AND "service provider" AND micropayment                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:45 |
| S41 | 211 | (user OR client) WITH generate WITH random AND "service provider" AND compare                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:45 |
| S42 | 111 | (user OR client) WITH generate WITH random AND "service provider" AND compare AND register            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:45 |
| S43 | 87  | (user OR client) WITH generate WITH random AND "service provider" AND compare AND register AND verify | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/31 14:33 |
| S44 | 438 | "start code" WITH "end code"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:49 |

## EAST Search History

|     |      |   |                              |    |    |                  |
|-----|------|---|------------------------------|----|----|------------------|
| S45 | 40   | "start code" WITH "end code" AND "Service provider"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:51 |
| S46 | 0    | "start code" WITH "end code" AND micropayment   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:51 |
| S47 | 1895 | (user OR client) WITH generate WITH random  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:52 |
| S48 | 556  | (user OR client) WITH generate WITH random AND "third party"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:52 |
| S49 | 8    | S48 AND dispute   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:55 |
| S50 | 35   | "service provider" AND repudiate AND dispute  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 19:56 |
| S51 | 24   | "service provider" AND repudiate AND dispute AND random   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/17 18:26 |
| S52 | 37   | "service request" AND "service provider" AND generate WITH random WITH number AND compare WITH (hash OR hashed) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 20:13 |
| S53 | 0    | (hash OR hashed) NEAR chain NEAR delegation   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 20:14 |
| S54 | 13   | (hash OR hashed) NEAR chain AND micropayment  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/30 20:15 |
| S55 | 15   | (hash OR hashed) NEAR chain AND dispute   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/31 09:40 |
| S56 | 1    | hash NEAR2 micropayment   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/31 09:41 |
| S57 | 6    | hash WITH micropayment  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/31 11:02 |
| S58 | 1565 | generate WITH random WITH seed  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 10:03 |
| S59 | 7    | generate WITH random WITH seed AND micropayment   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/05/31 09:44 |

## EAST Search History

|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| S60 | 1   | otp NEAR coin  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 11:02 |
| S61 | 281 | "one time password" AND request<br>NEAR service  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 11:03 |
| S62 | 4   | S61 AND micropayment   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 11:03 |
| S63 | 8   | ("6236981").URPN.  | USPAT                        | OR | OFF | 2007/05/31 11:04 |
| S64 | 23  | hash NEAR stored SAME hash NEAR<br>received  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 17:19 |
| S65 | 1   | "20030056092"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 17:20 |
| S66 | 15  | ((chained NEAR hash) OR (hash<br>NEAR chain)) AND non-repudiation  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 17:22 |
| S67 | 52  | (service NEAR consumer) AND<br>micropayment  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 17:23 |
| S68 | 20  | (service NEAR consumer) AND<br>micropayment AND hash   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/05/31 17:28 |
| S69 | 13  | hash NEAR chain AND<br>micropayment  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/18 19:35 |
| S70 | 6   | ("6341273").URPN.  | USPAT                        | OR | OFF | 2007/05/31 17:33 |
| S71 | 9   | ("5231666"   "5511121"   "5872844"<br>  "5878138"   "5878140"  <br>"5905976"   "5952638"   "6021399"<br>  "6341273").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/05/31 17:38 |
| S72 | 2   | dispute NEAR resolution AND hash<br>NEAR chain   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/06/01 13:56 |
| S73 | 39  | dispute NEAR resolution AND<br>micropayment  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/06/01 13:56 |
| S74 | 11  | dispute NEAR resolution AND<br>micropayment AND hash   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/06/01 15:52 |
| S75 | 1   | "20040068655"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/06/01 17:19 |

## EAST Search History

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S76 | 1  | 10/743761  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/06/01 16:53 |
| S77 | 0  | 10/795313  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/06/01 17:21 |
| S78 | 1  | 10/789808  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/12 15:52 |
| S79 | 0  | credit WITH hash NEAR chain  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/12 15:52 |
| S80 | 1  | credit SAME hash NEAR chain  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/12 15:53 |
| S81 | 3  | "09451254"   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/17 17:40 |
| S82 | 3  | 09/451254  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/17 17:41 |
| S83 | 9  | ("5231666"   "5511121"   "5872844"<br>  "5878138"   "5878140"  <br>"5905976"   "5952638"   "6021399"<br>  "6341273").PN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/07/17 17:42 |
| S84 | 1  | 10/789808  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/17 19:50 |
| S85 | 1  | "20030056092"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/17 19:53 |
| S86 | 2  | hash NEAR chain AND dispute NEAR<br>resolution   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/17 19:53 |
| S87 | 75 | hash NEAR chain AND service NEAR<br>provider   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/18 10:03 |

## EAST Search History

|     |      |   |                              |    |    |                  |
|-----|------|---|------------------------------|----|----|------------------|
| S88 | 3    | hash NEAR chain SAME service<br>NEAR provider | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:44 |
| S89 | 16   | "5953420"                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:44 |
| S90 | 6    | "6438691"                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:44 |
| S91 | 37   | "5878138"                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:45 |
| S92 | 1    | 10/789805                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:54 |
| S93 | 354  | 705/80.ccls.                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:54 |
| S94 | 1    | S93 AND hash NEAR chain                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:55 |
| S95 | 6525 | 705/1.ccls.                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:55 |
| S96 | 3    | S95 AND hash NEAR chain                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 13:55 |
| S97 | 1    | 10/843009                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/18 19:36 |